

## **REBOUND ACE<sup>®</sup> MAT APPLICATION PROCEDURE**

(applicable to Rebound Ace<sup>®</sup> GS, Air Cushion , Rebound Ace Mat 4mm CLUB - Ex & Rebound Ace<sup>®</sup> Impact)

### **Preparation**

- 1.1 Thoroughly sweep or vacuum court surface before application, remove any dirt, stones, and dust. Surface must be dry.
- 1.2 Position Rebound Mat rolls on one end of court. Starting on one side, run each roll out to full length of court, ensuring mats are butted together at edge before laying next mat. When mats have settled “kick in” each mat from each end to centre (or use roll tube with small wave of mat in front of it) to ensure that the mats are in neutral compression and no stretch is left in the mats. Cut off over-run at end leaving 150mm excess. Use a chalk line at the start to ensure the first Rebound Mat is laid perfectly straight.

### **Application**

- 2.1 Using 4-5 men, progressively (in the width) fold half of first mat back onto itself to expose a run of base surface approximately 0.75m wide.
- 2.2 Adhesive: Mix & apply **Rebound Adhesive 2000** (2 pack) as per technical bulletins to exposed base area by using a 4mm notched trowel. Pay particular attention to edges and ensure that adhesive is applied evenly with no lumps, uneven ridges or missed areas.  
Pot life of the mixed adhesive is 30 to 45 minutes at 25°C. Pot life will decrease at higher temperatures. Clean up with **Xylene** or **Acrylic Thinners**.
- 2.3 Using 4-5 men progressively fold the half of the first mat back onto adhesive area taking care not to leave any ripples or bubbles in the mat. This should be done as quickly as possible and well within the pot life of the adhesive. Straighten edge of mat, if necessary, by gently kicking mat across with soles of feet as with carpet laying. Take care not to stretch the rubber surface.
- 2.4 Repeat step 2.1, folding back second half of mat 1 to edge of adhesive and also first half of mat 2 to expose a run of base surface approximately 1.5 metres wide.  
Mix and apply **Rebound Adhesive 2000** as per 2.2.
- 2.5 Repeat step 2.3, with second half of first mat and first half of second mat. Feed edge together by hand, ensuring that all edges are level and even with no raised lumps.
- 2.6 Repeat across full width of court until all mats are laid.
- 2.7 The mat surface should be progressively rolled with an 80-100 pound (lb) (36-45 Kgs) carpet roller or water filled roller, after adhesive has partially set up but before adhesive cures, (1-2 hours depending on temperature) to ensure removal of any bubbles or ridges.
- 2.8 Cut off excess at ends using a straight edge before adhesive has fully cured.

- 2.9 Sand off any spilt adhesive or ridges at joints and thoroughly vacuum clean surface before application of the mat sealer.

## Notes

- i) Notched trowels wear down quickly on concrete and asphalt surfaces. Hence trowels must be re-grooved every 3 to 4 runs using a disc grinder.
- ii) Bricks may be needed as weights on edges and some parts of joints to prevent the mat from curling up before the adhesive cures. Curling or rippling can cause severe bubble problems in the mat once the adhesive has cured. Remove bricks once adhesive has set.
- iii) On areas where the mat butts up against a wall (eg. outdoor retaining walls, indoor sports floors) a gap of approximately 5-10mm should be left between the wall and the mat edge. This is subsequently filled with the mat sealer PU or Rebound Mat Joint Adhesive to properly seal the edge of the mat from ingress of water.
- iv) Any gapes between the mat edges will require filling with Rebound Mat Joint Adhesive ensuring the material is forced into the gap to provide a seamless profile prior to the mat sealing stage.